

PCIe SSD for High-Performance consumer applications

Design & Technology:

The RevoDrive X2 SSD moves farther beyond the bottleneck of SATA II (3Gbps) with a PCIe x4 interface to deliver superior performance with 740MB/s sequential speeds and random small file writes up to 120,000 IOPS, nearly triple the throughput of other consumer SSDs. Thanks to a proprietary RAID 0 design utilizing four SSD processors, the RevoDrive X2 maximizes data access and bandwidth to promote a faster, more responsive PC experience compared to other SSDs on the market. Unlike competing PCIe solutions the RevoDrive X2 is bootable, ensuring quicker start-ups, load times, and computing, all while promoting cooler, quieter, and more energy efficient conditions compared to traditional mechanical hard drives. The RevoDrive can accommodate a wide range of computing environments such as video-editing and other multi-media creation and management, all while providing the superior durability and reliability of SSDs.



Applications:

- ✓ Workstation PCs
- ✓ Desktop PCs

	Part Numbers	UPC
RevoDrive X2 100GB	OCZSSDPX-1RVDX0100	842024020455
RevoDrive X2 160GB	OCZSSDPX-1RVDX0160	842024020462
RevoDrive X2 240GB	OCZSSDPX-1RVDX0240	842024020479
RevoDrive X2 360GB	OCZSSDPX-1RVDX0360	842024020486
RevoDrive X2 480GB	OCZSSDPX-1RVDX0480	842024020493
RevoDrive X2 720GB	OCZSSDPX-1RVDX0720	842024020509
RevoDrive X2 960GB	OCZSSDPX-1RVDX0960	842024020516



OCZ RevoDrive X2 Series

PCI-Express x4 Solid-State Drive

Specifications:

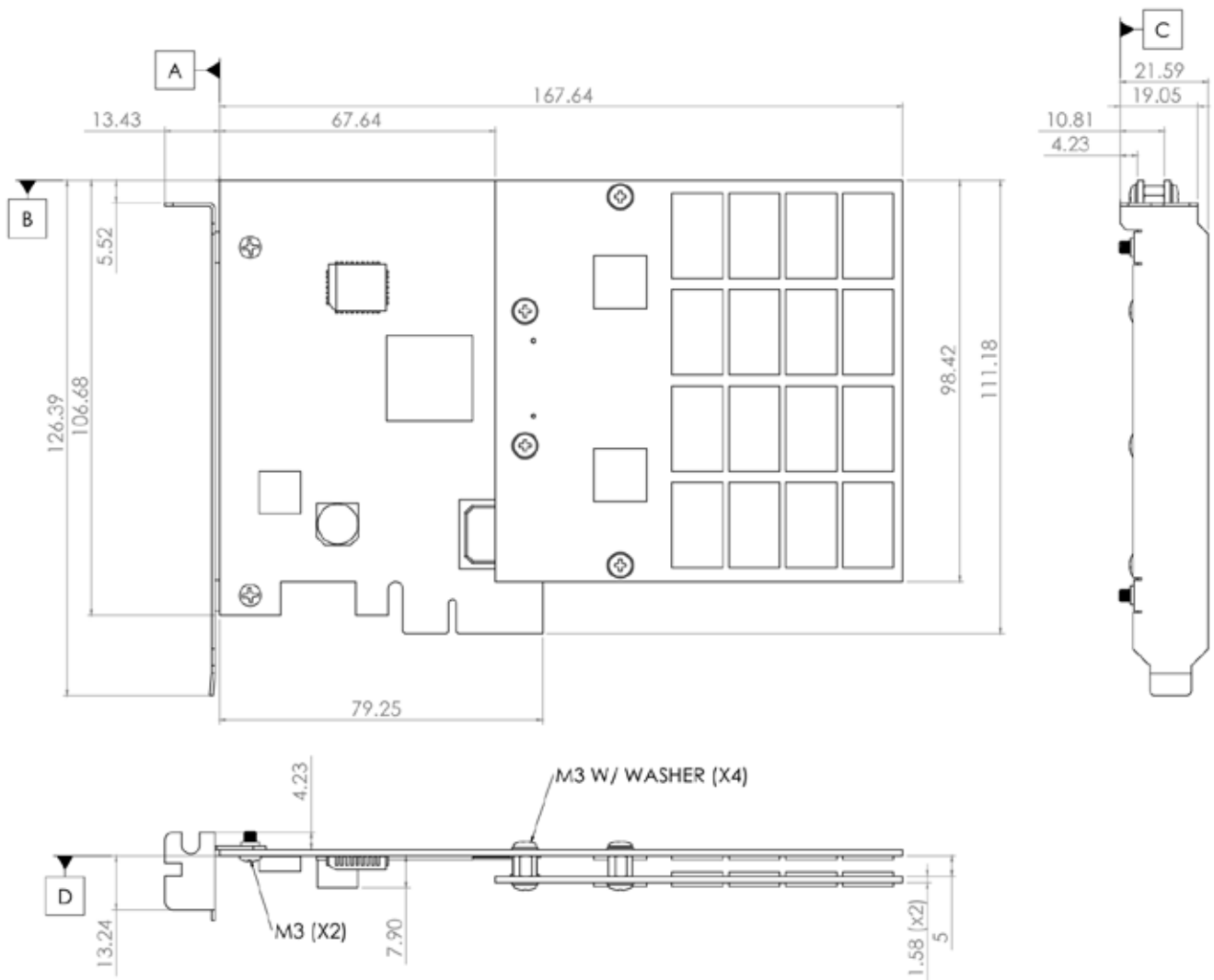
RevoDrive X2 100 – 160GB		RevoDrive X2 240 – 960GB
P E R F O R M A N C E		
Max Read ¹	up to 740 MB/s	up to 740 MB/s
Max Write ¹	up to 690 MB/s	up to 720 MB/s
Sustained Write ²	up to 550 MB/s	up to 600 MB/s
4KB Random Write ³	100,000 IOPS	120,000 IOPS
Seek Time	0.1 ms	0.1 ms
P H Y S I C A L		
Usable Capacities (IDEMA)	100GB, 160GB, 240Gb, 360GB, 480GB, 720GB, 960GB	
NAND Components	Multi-Level Cell (MLC)	
Interface	PCI-Express Gen. 1	
Form Factor	PCI-Express x4 slot	
Controller	4 x SandForce 1222	
Dimensions (L x W x H)	181.07 x 21.59 x 126.39 mm	
Weight	171g (may vary slightly depending on capacity)	
E N V I R O N M E N T A L		
Power Consumption	Idle: 4.3 Watts Active: 8.3 Watts	
Operating Temperature	0 C ~ +70 C	
Storage Temperature	-45 C ~ +85 C	
Vibration	1500G	
Certifications	RoHS, CE, FCC	
R E L I A B I L I T Y		
MTBF	2 million hours	
Reliability	ECC: 27 bytes of redundancy per 512 bytes data. Up to twelve 9-bit symbols correctable	
C O M P A T I B I L I T Y		
PCI-Express	Fully compliant with the PCIe Electromechanical Specification Rev. 1.1, and with the PCI-Express Base Specification Rev. 1.1	
Operating System	Windows XP 32/64 Bit; Windows Vista 32/64 Bit; Windows 7 32/64 Bit	
Power Requirements	Powered by the PCI-Express Bus	
A D D I T I O N A L F E A T U R E S		
Performance Optimization	Onboard RAID 0	
System Integration	Bootable	
Service & Support	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support	

¹ Maximum Sequential Speeds are determined using ATTO

² Sustained transfer rate is measured using Iometer 2008, Queue Depth 32, 128KB

³ Small file I/O performance is measured using Iometer 2008, Queue Depth 32, 4KB Aligned

Mechanical Specifications:



NOTE:

1. THIS DRAWING MUST BE USED TO IDENTIFY CRITICAL DIMENSIONS, TOLERANCES AND REFERENCE.
2. INTERPRET DIMENSION AND TOLERANCE PER ANSI 14.5M-1994
3. UNLESS OTHERWISE SEPCIFIED: DIMENSIONS ARE IN MILLIMETERS